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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/085,726	02/28/2002	Peter Michael Edic	RD-27054/USA-11	2407
6147	7590 05/09/2003			
GENERAL ELECTRIC COMPANY			EXAMINER	
GLOBAL RESEARCH CENTER PATENT DOCKET RM. 4A59 PO BOX 8, BLDG. K-1 ROSS NISKAYUNA, NY 12309			FERNSTROM, KURT	
			ART UNIT	PAPER NUMBER
•			3712	7
			DATE MAILED: 05/09/2003	/

Please find below and/or attached an Office communication concerning this application or proceeding.

Application No. Applicant(s)	•					
10/085,726 EDIC ET AL.						
Office Action Summary Examiner Art Unit						
Kurt Fernstrom 3712						
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply						
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION. Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely. If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b). Status						
1) Responsive to communication(s) filed on 19 February 2003						
2a)☐ This action is FINAL . 2b)⊠ This action is non-final.						
3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.						
Disposition of Claims						
4) Claim(s) 1-28 is/are pending in the application.						
4a) Of the above claim(s) <u>18-28</u> is/are withdrawn from consideration.						
5) ☐ Claim(s) is/are allowed.						
6) Claim(s) <u>1-17</u> is/are rejected.						
7) Claim(s) is/are objected to.						
8) Claim(s) are subject to restriction and/or election requirement. Application Papers						
9)☐ The specification is objected to by the Examiner.						
10)☐ The drawing(s) filed on is/are: a)☐ accepted or b)☐ objected to by the Examiner.						
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).						
11) The proposed drawing correction filed on is: a) approved b) disapproved by the Examiner.						
If approved, corrected drawings are required in reply to this Office action.						
12)☐ The oath or declaration is objected to by the Examiner.						
Priority under 35 U.S.C. §§ 119 and 120						
13) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).						
a) All b) Some * c) None of:						
1. Certified copies of the priority documents have been received.						
2. Certified copies of the priority documents have been received in Application No						
 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 						
14)☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional	al application).					
a) ☐ The translation of the foreign language provisional application has been received. 15)☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.						
Attachment(s)						
1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449) Paper No(s) 4. 4) Interview Summary (PTO-413) Paper No Notice of Informal Patent Application (PTO-948) 5) Other:						

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3.

DETAILED ACTION

Information Disclosure Statement

1. The copending applications by the inventor have not been considered because pending applications are not available to the public, and thus are not considered to be prior art.

Claim Rejections - 35 USC § 112

- 2. The following is a quotation of the first paragraph of 35 U.S.C. 112:
 - The specification shall contain a written description of the invention, and of the manner and process of making and using it, in such full, clear, concise, and exact terms as to enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make and use the same and shall set forth the best mode contemplated by the inventor of carrying out his invention.
- Claims 1-17 are rejected under 35 U.S.C. 112, first paragraph, as containing subject matter which was not described in the specification in such a way as to enable one skilled in the art to which it pertains, or with which it is most nearly connected, to make and/or use the invention. It is not clear what a "basis object" is. In particular, it is not clear whether a "basis object" is a physical portion of the device being modeled, such as a particular portion of the heart or thorax or other object; or whether a "basis object" is a more abstract mathematical equation or concept, where a plurality of mathematical equations are combined to create the model. Also it is not clear what the relationship is between a "basis object" and a "basis function"; whether they are interchangeable terms describing the same entity, or whether basis functions somehow are used to define basis objects, or whether they are related in some other way. Along the same lines, it is not

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clear what a "spatial relationship" is, and how the various basis objects interact with each other to create the model.

4. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

5. Claims 1-17 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for

failing to particularly point out and distinctly claim the subject matter which applicant regards as

the invention. The terms "basis object" and "spatial relationship" are not clear, for the reasons

discussed above. Also, the claims contain numerous instances of the terms "capable and "can", as

for example in claim 1 ("capable of being transformed") and in claim 5 ("can be performed").

These phrases make it unclear whether the ensuing claim limitations are intended to be positively

recited as part of the claimed invention.

Because the basic scope of the claimed invention is unclear for the reasons discussed above, no examination of the claims in light of the prior art is possible at this time.

Conclusion

6. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Metaxas, Walterman, Beavin, Sinclair, Dubois, Chui, Nackman, Groothuis, Kunii,

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Hatanaka, Aouni-Ateshian, Bronfeld, Schifa and Furuhata disclose various mathematical models for modeling three dimensional objects.

7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Kurt Fernstrom whose telephone number is (703) 305-0303.

KF

May 2, 2003

Ket Ferston

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